

## Peak District National Park

Forecast valid from 06:00 on Sunday 05 Dec 2021 until 23:59 on Monday 06 Dec 2021

Forecast Issued on Sunday 05 Dec 2021 at 03:49

**Confidence:** High for a rather cloudy and cold day Sunday and becoming very unsettled through next week but much lower for details and timing of rain and snow and strongest winds due to uncertainties over the track of a series of low pressure systems expected to pass over or close to the UK.

**Headline for Sunday 05 Dec 2021:** Cold with early rain or snow clearing. Generally fine, but cloudy with showers possible later.

### Mountain weather hazards on Sunday 05 Dec 2021

**Blizzards**  
No Likelihood

**Gales**  
No Likelihood

**Thunderstorms**  
No Likelihood

**Heavy Snow**  
No Likelihood

**Severe chill effect**  
Low Likelihood

**Heavy persistent rain**  
No Likelihood

**Storm force winds**  
No Likelihood

**Poor visibility**  
Medium Likelihood

**Strong sunlight**  
No Likelihood

| Weather and chance of precipitation at 600m                                         |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| Time                                                                                |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
| 06:00                                                                               | 09:00                                                                               | 12:00                                                                               | 15:00                                                                               | 18:00                                                                                 | 21:00                                                                                 |
|  |  |  |  |  |  |
| Dull                                                                                | Dull                                                                                | Dull                                                                                | Cloudy                                                                              | Cloudy                                                                                | Cloudy                                                                                |
| Precipitation probability                                                           |                                                                                     |                                                                                     |                                                                                     |                                                                                       |                                                                                       |
| 20%                                                                                 | 30%                                                                                 | 20%                                                                                 | 20%                                                                                 | 10%                                                                                   | <05%                                                                                  |

### Forecast for Sunday 05 Dec 2021

**Weather:** Any early rain or light snow clearing south, with snow generally limited to above 400m. A fine day follows, with cloud breaking across western hills, but cloudier in the east with a chance of one or two further showers.

**Chance of cloud free mountain/hill tops above 600m:** 30%, best chances in the west.

**Visibility:** Periods of cloud obscuring views above 500m throughout the day, and potentially down to 400m across eastern hills where cloud could be persistent. Beneath cloud, generally good to very good views, but falling to moderate during any showers.

## Forecast for Sunday 05 Dec 2021

| Height (m) | Wind Speed mean/gusts (mph) |          |         |         | Wind Direction (blowing from) |        |         |
|------------|-----------------------------|----------|---------|---------|-------------------------------|--------|---------|
|            | 06:00                       | 09:00    | 12:00   | 15:00   | 18:00                         | 21:00  | 00:00   |
| 600        | 27/34 N                     | 23/31 N  | 16/22 N | 14/19 N | 9/13 NE                       | 5/8 NE | 7/11 SE |
| 300        | 18/24 NW                    | 12/18 NW | 12/18 N | 8/12 NW | 5/7 NW                        | 3/5 SW | 4/6 SE  |
| Valley     | 12/27 NW                    | 11/25 N  | 9/19 N  | 6/13 N  | 2/6 N                         | 2/3 E  | 4/7 SE  |

| Height (m)      | Temperature / Feels Like (°C) |       |       |       |       |       |       |
|-----------------|-------------------------------|-------|-------|-------|-------|-------|-------|
|                 | 06:00                         | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| 600             | -0/-8                         | 0/-7  | 1/-4  | 2/-3  | 2/-2  | 1/-2  | 1/-2  |
| 300             | 2/-4                          | 2/-2  | 4/-0  | 4/1   | 4/2   | 3/1   | 2/1   |
| Valley          | 3/-2                          | 3/-1  | 4/1   | 5/3   | 3/2   | 2/1   | 2/1   |
| Freezing Level* | 500m                          | 600m  | 900m  | 900m  | 900m  | 800m  | 700m  |

\*Level above which ground is expected to be frozen/snow is expected to settle.

### Meteorologist's View

A cloudy and cold day. Feeling especially cold at first, with the brisk winds giving a notable chill.

### Recent rainfall: measured at Cat & Fiddle: altitude 511m

| Recorded at              | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|--------------------------|----------------|----------------|----------------|
| 03:00 on Sun 05 Dec 2021 | 14.4mm         | 16mm           | 16.2mm         |

## Forecast for Monday 06 Dec 2021

**Weather:** Deterioration in conditions is expected through the morning, as bands of rain and snow through. Snow line rising above highest summits with first band, before rapidly falling again as a heavy and squally band of rain and snow follows late morning. This later band bringing brief blizzard conditions above 600m, before clearing. Occasional showers then follow, with snow falling to 400m, but interspersed with drier brighter spells. Feeling cold, with a notable wind chill.

**Maximum wind:** Southerly 20-25 gusting 30-35mph, briefly 40-50mph, then veering westerly 25mph gusting 35-40mph.

**Chance of cloud free mountain/hill tops above 600m:** Near 0%, at first, improving to 60% during the afternoon

**Visibility:** Cloud obscuring views above 400m at first, and only moderate to poor at low levels due to rain. Transient blizzard conditions possible above 400m in showers, with cloud obscuring views above 600m. Strong winds likely moving showers through however. Some very good to excellent views between showers.

**Temperature:** **Valleys:** Plus 2 Celsius rising to Plus 5 Celsius

**At 600m:** Zero Celsius, rising to Plus 2 Celsius then falling to Zero Celsius after midday.

**Freezing level:** 600m, then rising above the summits mid-morning, falling 600m during the afternoon.